

**Pending Claims After Entry of
Preliminary Amendment Mailed November 30, 2001**

8. A coil assembly for an electroacoustic transducer, comprising:
a coil having a coil opening defining an axis therethrough; and
a circuit board wherein at least a portion thereof is positioned against said coil in a substantially perpendicular relationship to said axis.
9. The coil assembly of claim 8, wherein said circuit board is flexible.
10. The coil assembly of claim 8, wherein said circuit board is rigid.
11. The coil assembly of claim 8, wherein said circuit board includes an opening, said opening of said circuit board being substantially aligned with said coil opening.
12. An assembly for an electroacoustic transducer, comprising:
an armature having a first leg;
a coil having a coil opening adapted to receive said first leg therethrough; and
a circuit board having an opening adapted to receive said first leg therethrough,
said circuit board being attached to said coil.
13. The assembly of claim 12, wherein said armature includes a second leg, said circuit board having a first slot adapted to receive said second leg therethrough.

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14. The assembly of 12, wherein said first leg and said second leg are disposed to form a U-shaped armature.

15. The assembly of claim 13, wherein said armature includes a third leg, said circuit board having a second slot adapted to receive said third leg therethrough.

16. The assembly of claim 15, wherein said first leg, said second leg, and said third leg are disposed to form an E-shaped armature.

17. The assembly of claim 12, wherein said circuit board is attached to said coil via an adhesive.

18. The assembly of claim 12, wherein said coil opening and said circuit board opening are dimensioned so as to permit movement of said first leg of said armature in said coil opening and said opening.

19. The assembly of claim 12, wherein at least a portion of said circuit board is substantially perpendicular to said first leg.

20. An electroacoustic transducer, comprising:

a case;

a transducing assembly disposed in said case, including:

an armature having a first leg;

a coil having a coil opening through which said first leg is received;
a circuit board attached to said coil, said circuit board having an opening
through which said first leg is received, said circuit board
including at least one terminal; and
a magnet assembly including a first magnet separated from a second
magnet by a gap, said first leg being received through said gap;
and
connecting means for connecting said first leg to a diaphragm disposed in
said case.

21. The electroacoustic transducer of claim 20 further comprising a pin connected to
said at least one terminal of said circuit board, said pin extending through an aperture in
said case.

22. The electroacoustic transducer of claim 20, wherein said armature includes a
second leg and a third leg, said circuit board includes a first slot disposed along a first
outer edge of said circuit board and a second slot disposed along a second outer edge of
said circuit board, said first slot receiving said second leg and said second slot receiving
said third leg.

23. The electroacoustic transducer of claim 20, wherein said circuit board is
substantially perpendicular to said first leg.

24. A method of assembling an electroacoustic transducer assembly, comprising the steps of:

providing a coil having a coil opening;
attaching a circuit board to said coil, said circuit board having an opening;
extending an armature leg through said coil opening and said opening; and
positioning a magnet assembly adjacent to said circuit board such that said armature leg extends through a gap between a first magnet and a second magnet.

25. The method of claim 24, further comprising the step of dimensioning said coil opening, said opening, and said gap so as to permit movement of said armature leg therebetween.

26. A method of positioning a movable armature leg within a coil opening, comprising the steps of:

providing a coil having a coil opening therethrough;
attaching a circuit board to said coil, said circuit board having an opening therethrough and at least one slot formed along a peripheral edge of said circuit board;
and
registering said movable armature leg in said coil opening by passing a support leg through said at least one slot.